

Please type a plus sign (+) inside this box →



PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/835,617
		Filing Date	Apr 10, 2001
		First Named Inventor	Furlan, John L. W.
		Group Art Unit	2182
		Examiner Name	Unknown
Total Number of Pages in This Submission	16+ Art	Attorney Docket Number	P014

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> Postcard Substitute 1449/PTO Cited Art
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Be Here Corporation
Signature	
Date	July 25, 2001

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: <input type="text" value="July 25, 2001"/>			
Type or printed name	John C. Merchant		
Signature		Date	July 25, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

GP/2182
2614
RECEIVED
JUL 31 2001
Technology Center 2600

RECEIVED
AUG 01 2001
Technology Center 2600



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Furlan et al.

Serial No.: 09/835,617

Filed: 4/10/2001

Title: Transmission of Panoramic Video via
Existing Video Infrastructure

Attorney Docket No.: P014

Commissioner for Patents
Washington, D.C. 20231

Group Art Unit:
2182
Examiner:
Unknown

RECEIVED
AUG 01 2001
Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

— under 37 CFR 1.97(c) together with either a:
— Statement under 37 CFR 1.97(e), or
— a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

— under 37 CFR 1.97(d) together with a:
— Statement under 37 CFR 1.97(e), and
— a petition under 37 CFR 1.97(d)(2)(ii), and
— a \$130.00 petition fee set forth in 37 CFR 1.17(i).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

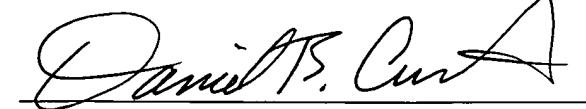
The relevance of the attached references is that this is the closest art of which Applicant is aware.



Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,



Daniel B. Curtis

Daniel B. Curtis
Attorney/Agent for Applicant(s)
Reg. No. 39159

Date: July 25, 2001

Telephone No.: 408 873-4927

RECEIVED
AUG 01 2001
Technology Center 2600

RECEIVED
JUL 31 2001
Technology Center 2100

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/835,617
(use as many sheets as necessary)		Filing Date	4/10/2001
		First Named Inventor	Furlan et al.
		Group Art Unit	2182
		Examiner Name	
Sheet	1	of	13
		Attorney Docket Number	P014

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
1	2,146,662			L.E.W. Van Albada	02/07/1939	
2	2,244,235			W.A. Ayres	06/03/1941	
3	2,304,434			W.A. Ayres	12/08/1942	
4	2,628,529			L.E. Braymer	02/17/1953	
5	2,654,286			J.M. Cesar	10/06/1953	
6	3,203,328			H.P. Brueggeman	08/31/1965	
7	3,205,777			A. Benner	09/14/1965	
8	3,229,576			D.W. Rees	01/18/1966	
9	3,692,934			Herndon	09/19/1972	
10	3,723,805			Scarpino et al.	03/27/1973	
11	3,785,715			Mecklenborg	01/15/1974	
12	3,832,046			Mecklenborg	08/27/1974	
13	3,846,809			Pinzone et al.	11/05/1974	
14	3,934,259			Krider	01/20/1976	
15	3,998,532			Dykes	12/21/1976	
16	4,012,126			Rosendahl et al.	03/15/1977	
17	4,017,145			Jerie	04/12/1977	
18	4,038,670			Seitz	07/26/1977	
19	4,058,831			Smith	11/15/1977	
20	4,078,860			Globus et al.	03/14/1978	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<p><i>Complete if Known</i></p> <table border="1"> <tr> <td>Application Number</td> <td>09/835,617</td> </tr> <tr> <td>Filing Date</td> <td>4/10/2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Furlan et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>2182</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> </table> <p style="text-align: right;">O P E JUL 30 2001 PTAB TRADEMARK OFFICE 550</p>		Application Number	09/835,617	Filing Date	4/10/2001	First Named Inventor	Furlan et al.	Group Art Unit	2182	Examiner Name	
Application Number	09/835,617														
Filing Date	4/10/2001														
First Named Inventor	Furlan et al.														
Group Art Unit	2182														
Examiner Name															
Sheet	2	of	13	Attorney Docket Number	P014										

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	25	4,157,218		Gordon et al.	06/05/1979	
	26	4,190,866		Lukner	02/26/1980	
	27	4,241,985		Globus et al.	12/30/1980	
	28	4,326,775		King	04/27/1982	
	29	4,395,093		Rosendahl et al.	07/26/1983	
	30	4,429,957		King	02/07/1984	
	31	4,463,380		Hooks, Jr.	07/31/1984	
	32	4,518,898		Tarnowski et al	05/21/1985	
	33	4,549,208		Kamejima et al.	10/22/1985	
	34	4,561,733		Kreischer	12/31/1985	
	35	4,566,763		Greguss	01/28/1986	
	36	4,578,682		Hooper et al.	03/25/1986	
	37	4,593,982		Rosset	06/10/1986	
	38	4,602,857		Woltz et al.	07/29/1986	
	39	4,656,506		Ritchey	04/07/1987	
	40	4,661,855		Gulck	04/28/1987	
	41	4,670,648		Hall et al.	06/02/1987	
	42	4,728,839		Coughlan et al.	03/01/1998	
	43	4,736,436		Yasukawa et al.	04/05/1998	
	44	4,742,390		Francke et al.	05/03/1998	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<p>Complete if Known</p> <table border="1"> <tr> <td>Application Number</td> <td>09/835,617</td> </tr> <tr> <td>Filing Date</td> <td>4/10/2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Furlan et al</td> </tr> <tr> <td>Group Art Unit</td> <td>2182</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>P014</td> </tr> </table> <div style="text-align: right; margin-top: -20px;">  </div>		Application Number	09/835,617	Filing Date	4/10/2001	First Named Inventor	Furlan et al	Group Art Unit	2182	Examiner Name		Attorney Docket Number	P014
Application Number	09/835,617																
Filing Date	4/10/2001																
First Named Inventor	Furlan et al																
Group Art Unit	2182																
Examiner Name																	
Attorney Docket Number	P014																
Sheet	3	of	13														

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	45	4,751,660		Hedley	06/14/1988	
	46	4,754,269		Kishi et al.	06/28/1988	
	47	4,761,641		Schreiber	08/02/1988	
	48	4,772,942		Tuck	09/20/1988	
	49	4,797,942		Burt et al.	01/10/1989	
	50	4,807,158		Blanton et al.	02/21/1989	
	51	4,835,532		Fant	05/30/1989	
	52	4,858,002		Zobel	08/15/1989	
	53	4,858,149		Quarendon	08/15/1989	
	54	4,864,335		Corrales	09/05/1989	
	55	4,868,682		Shimizu et al.	09/19/1989	
	56	4,899,293		Dawson et al.	02/06/1990	
	57	4,901,140		Lang et al.	02/13/1990	
	58	4,907,084		Nagafusa	03/06/1990	
	59	4,908,874		Gabriel	03/13/1990	
	60	4,918,473		Blackshear	04/17/1990	
	61	4,924,094		Moore	05/08/1990	
	62	4,943,821		Gelphman et al.	07/24/1990	
	63	4,943,851		Lang et al.	06/24/1990	
	64	4,945,367		Blackshear	07/31/1990	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

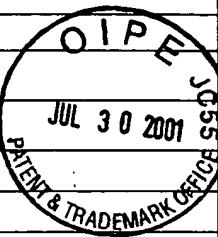
¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p> <table border="1"> <tr> <td>Application Number</td> <td>09/835,617</td> </tr> <tr> <td>Filing Date</td> <td>4/10/2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Furlan et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>2182</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> </table> <div style="text-align: right; margin-top: -20px;">  </div>		Application Number	09/835,617	Filing Date	4/10/2001	First Named Inventor	Furlan et al.	Group Art Unit	2182	Examiner Name	
Application Number	09/835,617														
Filing Date	4/10/2001														
First Named Inventor	Furlan et al.														
Group Art Unit	2182														
Examiner Name															
Sheet	4	of	13	Attorney Docket Number	P014										



U.S. PATENT DOCUMENTS

Technology Center 2100

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	65	4,965,844		Oka et al.	10/23/1990	
	66	4,974,072		Hasegawa	11/27/1990	
	67	4,985,762		Smith	01/15/1991	
	68	5,020,114		Fujioka et al.	05/28/1991	
	69	5,021,813		Corrales	06/04/1991	
	70	5,023,725		McCutchen	06/11/1991	
	71	5,038,225		Maeshima	08/06/1991	
	72	5,040,055		Smith	08/13/1991	
	73	5,048,102		Tararine	09/10/1991	
	74	5,067,019		Juday et al.	11/19/1991	
	75	5,068,735		Tuchiya et al.	11/26/1991	
	76	5,077,609		Manephe	12/31/1991	
	77	5,083,389		Alperin	01/28/1992	
	78	5,097,325		Dill	03/17/1992	
	79	5,115,266		Troje	05/19/1992	
	80	5,130,794		Ritchey	07/14/1992	
	81	5,153,716		Smith	10/06/1992	
	82	5,157,491		Kassatly	10/20/1992	
	83	5,166,878		Poelstra	11/24/1992	

Technology Center 2100

卷之三

RECEIVED

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p> <table border="1"> <tr> <td>Application Number</td> <td>09/835,617</td> </tr> <tr> <td>Filing Date</td> <td>4/10/2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Furlan et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>2182</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>P014</td> </tr> </table>		Application Number	09/835,617	Filing Date	4/10/2001	First Named Inventor	Furlan et al.	Group Art Unit	2182	Examiner Name		Attorney Docket Number	P014
Application Number	09/835,617																
Filing Date	4/10/2001																
First Named Inventor	Furlan et al.																
Group Art Unit	2182																
Examiner Name																	
Attorney Docket Number	P014																
Sheet	5	of	13														

JUL 3 1 2001
Technology Center 2100

RECEIVED
AUG 01 2001
Technology Center 2600

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, . . . Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
84	5,173,948			Blackham et al.	12/22/1992	
85	5,175,808			Sayre	12/29/1992	
86	5,185,667			Zimmermann	02/09/1993	
87	5,187,571			Braun et al.	02/16/1993	
88	5,189,528			Takashima et al.	02/23/1993	
89	5,200,818			Neta et al.	04/06/1993	
90	5,231,673			Elenga	07/27/1993	
91	5,259,584			Wainwright	11/09/1993	
92	5,262,852			EOUZAN et al.	11/16/1993	
93	5,262,867			Kojima	11/16/1993	
94	5,280,540			Addeo et al.	01/18/1994	
95	5,289,312			Hashimoto et al.	02/22/1994	
96	5,305,035			Schonherr et al.	04/19/1994	
97	5,311,572			Freides et al.	05/10/1994	
98	5,313,306			Kuban et al.	05/17/1994	
99	5,315,331			Ohshita	05/24/1994	
100	5,341,218			Kaneko et al.	08/23/1994	
101	5,359,363			Kuban et al.	10/25/1994	
102	5,384,588			Martin et al.	01/24/1995	
103	5,396,583			Chen et al.	03/07/1995	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SFND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/835,617
(use as many sheets as necessary)				Filing Date	4/10/2001
				First Named Inventor	Furlan et al.
				Group Art Unit	2182
				Examiner Name	
Sheet	6	of	13	Attorney Docket Number	P014

JUL 3 1 2001
Technology Center 2100

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
104	5,422,987			Yamada	06/06/1995	
105	5,432,871			Novik	07/11/1995	
106	5,444,476			Conway	08/22/1995	
107	5,446,833			Miller et al.	08/29/1995	
108	5,452,450			Delory	09/19/1995	
109	5,473,474			Powell	12/05/1995	
110	5,479,203			Kawai et al.	12/26/1995	
111	5,490,239			Myers	02/06/1996	
112	5,495,576			Ritchey	02/27/1996	
113	5,508,734			Baker et al.	04/16/1996	
114	5,530,650			Bifero et al.	06/25/1996	
115	5,539,483			Nalwa	07/23/1996	
116	5,550,646			Hassen et al.	08/27/1996	
117	5,563,650			Poelstra	10/08/1996	
118	5,601,353			Naimark et al.	02/11/1997	
119	5,606,365			Maurinus et al.	02/25/1997	
120	5,610,391			Ringlien	03/11/1997	
121	5,612,533			Judd et al.	03/18/1997	
122	5,627,675			Davis et al.	05/06/1997	
123	5,631,778			Powell	05/20/1997	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/835,617
				Filing Date	4/10/2001
				First Named Inventor	Furlan et al.
				Group Art Unit	2182
				Examiner Name	
Sheet	7	of	13	Attorney Docket Number	P014

Technology Center 2600

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
124	5,633,924			Kaish et al.	05/27/1997	
125	5,649,032			Burt et al.	07/15/1997	
126	5,682,511			Sposato et al.	10/28/1997	
127	5,686,957			Baker et al.	11/11/1997	
128	5,714,997			Anderson et al.	02/03/1998	
129	5,729,471			Jain et al.	03/17/1998	
130	5,760,826			Nayer	06/02/1998	
131	5,761,416			Mandal et al.	06/02/1998	
132	5,764,276			Martin et al.	06/09/1998	
133	5,796,426			Gullichsen et al.	08/18/1998	
134	5,841,589			Davis et al.	11/24/1998	
135	5,850,352			Moezzi et al.	12/15/1998	
136	5,854,713			Kuroda et al.	12/29/1998	
137	5,877,801			Martin et al.	03/02/1999	
138	5,903,319			Busko et al.	05/11/1999	
139	5,920,337			Glassman et al.	07/06/1999	
140	6,034,716			Whiting et al.	06/02/1998	
141	DES 263,716			Globus et al.	04/06/1982	
142	DES 312,263			Charles	11/20/1990	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SFND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED
JUL 31 2001

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/835,617
				Filing Date	4/10/2001
				First Named Inventor	Furlan et al.
				Group Art Unit	2182
				Examiner Name	
Sheet	8	of	13	Attorney Docket Number	P014

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED

Please type a plus sign (+) inside this box →

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/835,617
				Filing Date	4/10/2001
				First Named Inventor	Furlan et al.
				Group Art Unit	2182
				Examiner Name	
Sheet	9	of	13	Attorney Docket Number	P014

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231." "

Please type a plus sign (+) inside this box →

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/835,617
Sheet	10	of	13	Filing Date	4/10/2001
				First Named Inventor	Furlan et al. <i>JUL 30 2001</i>
				Group Art Unit	2182
				Examiner Name	
				Attorney Docket Number	P014

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	163	GREENE, N., "Environment Mapping and Other Applications of the World Projections." Computer Graphics and Applications. November 1986. IEEE Computer Society. Vol.06. No.11. Pages: 21-29.	
	164	HECHBERT, P., "The PMAT and Poly User's Manual". Computer Graphics Lab. N.Y.I.T., February 18, 1983. Pages: 1-29.	
	165	HECKBERT, P., "Fundamentals of Textured Mapping and Image Warping. Master Thesis. Pages: 86. Dated: June 17,1989.	
	166	REBIAI, M., MANSOURI, S., PINSON, F., and TICHIT, B., "Image Distortion From Zoom Lenses: Modeling and Digital Correction". International Broadcasting Convention. IEEE. Dated: July 1992.	
	167	CHARLES, JEFFERY R., "All-Sky Reflector with "Invisible" Camera Support". Images from 1988 RTMC Proceedings. Pages: 79-80.	
	168	ROGER W. SINNOTT, "Scientific Library Gleaning for ATMs". Sky & Telescope. August 1986. Pages: 186.	
	169	CHARLES et al., "How to Build and Use an All-Sky Camera." Astronomy. April 1987. Pages: 64-70	
	170	DEUTSCH, CLUDIA H., "One Camera That Offers Many Views". The New York Times v146, February 3, 1997, pages 02.	
	171	JOHNSON, COLIN R., "Imaging System Sees All". Electronic Engineering Times. December 23, 1996. Pages:03.	
	172	SPICE, BRYON, "Panospheric Camera Expands Horizon". Pittsburgh Post-Gazette, June 2, 1997, Pages:03	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. *" "*

RECEIVED
JUL 31 2001

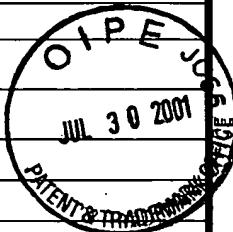
RECEIVED
AUG 01 2001
Technology Center 2186

RECEIVED
AUG 01 2001
Technology Center 2600

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/835,617
(use as many sheets as necessary)				Filing Date	4/10/2001
Sheet	11	of	13	First Named Inventor	Furlan et al.
				Group Art Unit	2182
				Examiner Name	
				Attorney Docket Number	P014



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	173	CASTLEMAN, K., "Digital Image Processing". Prentice Hall. 1979. Pages: 110-135, 383-400,408.			Technology Center 2100 JUL 31 2001
	174	CASTLEMAN, K., "Digital Image Processing". Prentice Hall. 1996. Pages: 125-127, 140-141.			
	175	SHAH, S. et al., "A Simple Calibration Procedure For Fish-Eye (High Distortion) Lens Camera. IEEE. 1994. Pages: 3422-3427.			
	176	Snyder, John. "Gnomonic Projection". Map Projections-A Working Manual. Pages: 164-168, 1987.			
	177	GREENE, N., and HECKBERT, P., "Creating Raster Omnimax Images From Multiple Perspective Views Using The Elliptical Weighted Average Filter". IEEE. 1986. Pages: 21-27.			
	178	FANT, K., "A Nonaliasing, Real-Time Spatial Transform Technique". IEEE. 1986. Pages: 71-80.			
	179	GREENE, WILLIAM B., "Qualitative Image Processing Techniques". Digital Image Processing, A Systems Approach. 2 nd Edition. 1989. Van Nostrand Reinhold. Pages: 92-112.			
	180	WOLBERG, GEORGE. Digital Image Warping (Introduction). 1990. IEEE Computer Society Press. Pages: 2.			
	181	FU, K.S. et al., "Low-Level Vision". Robotics: Control, Sensing, Vision, and Intelligence. 1987. McGraw Hill Inc., Pages: 313-315.			
	182	CARLBOM, INGRID et al. "Planner Geometric Projections and Viewing Transformations". Computing Surveys. Volume 10. No. 04. December 1978. Pages: 465-502.			
	183	ANDERSON, R.L., et al., "Omnidirectional Real time Imaging Using Digital Restoration". High Speed Photography SPIE. Volume 348. San Diego, CA. 1982. Pages: 807-814.			

RECEIVED

RECEIVED
AUG 1 2001
Technology Center 2600

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

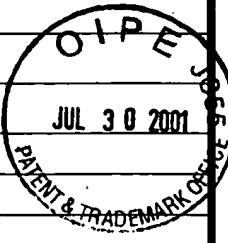
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/835,617
Sheet	12	of	13	Filing Date	4/10/2001
				First Named Inventor	Furlan et al.
				Group Art Unit	2182
				Examiner Name	
				Attorney Docket Number	P014



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	184	LAIKIN, MILTON. "Wide Angle Lens System". 1980. International Design Conference (OSA). SPIE. Volume 237. 1980. Pages: 530-532, 815-816.			JUL 31 2001
	185	SHAH, SHISIR et al., "Depth Estimation Using Stereo Fish-Eye Lenses". IEEE. Department Of Electrical and Computer Engineering. University of Texas. 1994. Pages: 740-744.			Technology Center 2100
	186	TSAI, ROGER Y., "A Versatile Camera Calibration Technique for High Accuracy 3-D Machine Vision Using Off-the-Shelf TV Cameras and Lenses". IEEE. Journal of Robotics and Automation. Volume RA-3. No.04. August 1987. Pages: 323-344.			✓
	187	CHANG, YUH-LIN et al., "Calibrating a Mobile Camera's Parameters". Pattern Recognition. Volume 26. No. 01. Dated: 1983. Pages: 75-88.			✓
	188	WENG, JUYANG. "Camera Calibration With Distortion Models and Accuracy Evaluation." IEEE. Transactions On Pattern Analysis and Machine Intelligence. Volume 14. No. 10. October 1992. Pages: 965-980.			✓
	189	LENZ, REIMER K. et al., "Techniques for Calibration of the Scale Factor and Image Center for High Accuracy 3-D Machine Vision Metrology". IEEE. Transaction on Pattern Analysis and Machine Intelligence. Volume 05. No. 05. September 1988. Pages: 713-720.			✓
	190	NOMURA, YOSHIHIKO, et al., "Simple Calibration Algorithm for High-Distortion Lens Camera". IEEE. Transaction on Pattern Analysis and Intelligence Machine. Volume 14. No.11. November 1992. Pages: 1095-1099.			✓
	191	Lee, Martin., Telerobotics International, Inc. "Optimizing The Camera And Positioning System For Telerobotic Worksite Viewing"			✓
	192	MIYAMOTO, K., "Fish Eye Lens". JOSA. Vol.54. Pages: 1060-1061. Dated: August 1964.			✓
					RECEIVED AUG 01 2001 Technology Center 2600

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231 " "

RECEIVED
JUL 31 2001
Technology Center 2100

Please type a plus sign (+) inside this box →

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/08B (10-96)

Substitute for form 1449B/PTO

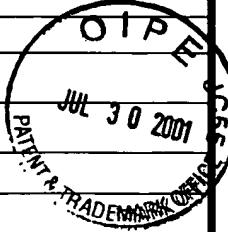
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **13** of **13**

Complete if Known

Application Number **09/835,617**
Filing Date **4/10/2001**
First Named Inventor **Furlan et al.**
Group Art Unit **2182**
Examiner Name



Attorney Docket Number **P014**

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	193	Defendant's IPI's Composite Exhibit List, Civil Action of Interactive Pictures Corporation, F/K/A Omniview, Inc. v. Infinite Pictures, Inc. and Bill Tillman. Case No. 3-96-849. Filed: January 05, 1998 in U.S.D.C., Eastern District Of Tennessee. Pages: 20.	
	194	VERITY, JOHN W. (edited by): Information Processing. Business Week. Page: 134E. Dated: July 13, 1991.	
	195	MARBACH, WILLIAM D. (edited by): Developments To Watch. Business Week. Page: 83. Dated: September 26, 1988.	
	196	CARNEVALE, MARY LU. Video Camera Puts The Viewer in Control. Wall Street Journal. Dated: November 25, 1992.	
	197	Popular Science. Electronic Panning Camera System. Pages: 36-37. Dated: September 1992.	
	198	TULLOCH, MARTHA. "New Video Camera Lets Viewers Choose Views" Photonics Spectra. Pages: 18-20. Dated: October 1992.	
	199	FISHER, TIMOTHY E., "A Programmable Video Image Remapper. SPIE> Vol. 938. Pages: 122-128. Dated: 1988.	
	200	LIPPMAN, ANDREW. Movie-Map: An Application Of The Optical Videodisc To Computer Graphics. Pages: 43. Dated: 1980.	
	201	YELICK, STEVEN. Anamorphic Image Processing. Pages: 1-37, Including Acknowledgement Page. Dated: 1980.	
	202	CHEN, SHENCHANG ERIC. "Quick Time VR-An Image-Based Approach To Virtual Environment Navigation. Pages: 39. Dated: 1995.	

RECEIVED

AUG 01 2001

Technology Center 2100

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED
Technology Center 2100
JUL 31 2001